

ABSTRACT

A patterned roller including one or more patterned rings
5 forming an overall cylindrical pattern. The patterned roller
may also include one or more spacer rings to form grooves or
channels into a surface. The patterned roller may be included
in a roller stack as part of a manufacturing system for
patterned film. The patterned roller can include a pattern to
10 form full corner cubes of many different sizes and/or geometries
in a continuous manner across the width and along the length of
a reflective sheet without seams. Methods of manufacture
include rolling the cylindrical pattern of the patterned roller
into a surface of an extruded sheet. Articles are manufactured
15 utilizing the methods of manufacture including license plates,
shoes, highway signs, articles of clothing, pavement markers,
automobile reflectors, and bicycle reflectors.